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## AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

## LISTING OF CLAIMS:

Claims 1 and 2 (canceled).

Claim 3 (new): A multilayer positive temperature coefficient thermistor comprising:

a multilayer element main body including a plurality of stacked ceramic layers including a barium titanate semiconductor ceramic exhibiting a positive temperature characteristic of resistance and a plurality of internal electrodes including nickel, the internal electrodes being disposed at the interfaces of the ceramic layers; wherein-the following conditions are satisfied:

 $5 \le X \le 18$ ; and

 $4 \le X \cdot Y \le 10$ :

wherein X is a thickness expressed in  $\mu m$  of each ceramic layer between the internal electrodes and Y is a donor content expressed in percentage in the barium titanate semiconductor ceramic expressed in terms of (number of donor atoms/number of Ti atoms)  $\times$  100.

Claim 4 (new): A method for designing a multilayer positive temperature coefficient thermistor comprising a multilayer element main body including a plurality of stacked ceramic layers including a barium titanate semiconductor ceramic exhibiting a positive temperature characteristic of resistance and a plurality of internal electrodes including nickel, the internal electrodes being disposed at the interfaces of the ceramic layers, the method comprising the steps of:

determining a thickness X expressed in  $\mu m$  of each ceramic layer so as to satisfy the condition 5 < X < 18: and

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determining the donor content Y expressed in percentage in the barium titanate semiconductor ceramic according to the thickness X so as to satisfy the condition  $4 \le X \cdot Y \le 10$ , wherein the donor content Y is expressed in terms of (number of donor atoms/number of Ti atoms) × 100.